

RESERVOIR SEDIMENT
DATA SUMMARY

PA-446
Greene-Dreher

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

NAME OF RESERVOIR

4 - 25

DATA SHEET NO.

Pike and Monroe County

DAM	1. OWNER Soil Conservation District		2. STREAM Taylor Creek		3. STATE Pennsylvania											
	4. SEC. - TWP - RANGE -		5. NEAREST P.O. South Sterling		6. COUNTY Monroe & Pike											
	7. LAT. 41°14' " LONG 75°20'		8. TOP OF DAM ELEVATION 1829.0		9. SPILLWAY CREST ELEV. 1821.6											
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL		1821.6		57		927.6		985.68		8/63					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	c. POWER										9/63					
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION															
	g. INACTIVE		1785.0		8.47		58.08		58.08							
WATERSHED	17. LENGTH OF RESERVOIR 1.9 MILES				AV. WIDTH OF RESERVOIR 0.5 MILES											
	18. TOTAL DRAINAGE AREA 4.8 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 45.4 ^{1/} INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 4.7 SQ. MI.				23. MEAN ANNUAL RUNOFF 30 INCHES											
	20. LENGTH 2.4 MILES		AV. WIDTH 2 MILES		24. MEAN ANNUAL RUNOFF 7679 AC.-FT.											
	21. MAX. ELEV. 2200		MIN. ELEV. 1200		25. ANNUAL TEMP: MEAN 24 RANGE -											
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA, ACRES		32. CAPACITY, ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.	
	6/63		-		-		Range		Initial Survey		Layout					
	8/66		-		3		Range		7R 10R		8.47 ^{2/} 57 ^{3/}		58.08 ^{2/} 985.68 ^{3/}		.128 ^{3/}	
	7/76		12.9		12.9		Range		7R 10R		8.47 ^{2/} 57 ^{3/}		55.81 ^{2/} 983.34 ^{3/}		.128 ^{3/}	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET								36. WATER INFL. TO DATE, AC.-FT.			
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
	8/66		-		-		-		-		-		-			
	7/76		45.4		5412 ^{1/}		9630 ^{1/}		69,815		5,412		69,815			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET						38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET							
			a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
8/66		No sediment yield calculated.														
7/76		2.27 ^{2/} 2.34 ^{3/}		0.18 ^{2/} 0.185 ^{3/}		0.037 ^{2/} 0.039 ^{3/}		2.27 ^{2/} 2.34 ^{3/}		0.18 ^{2/} 0.185 ^{2/}		0.037 ^{2/} 0.039 ^{3/}				
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM								
				a. PERIOD		b. TOTAL TO DATE		a. AV. ANN. b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE				
8/66		-		-		-		-		-		-				
7/76		65 ^{4/}		52.4 ^{2/} 54.5 ^{3/}		52.4 ^{2/} 54.5 ^{3/}		0.31 ^{2/} 0.02 ^{3/}		3.91 ^{2/} 0.24 ^{3/}		34 34				

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

1/ Water Resources Data for Pa.

2/ Sediment pool only.

3/ Total reservoir below emergency spillway crest (1821.6).

4/ Assumed data.

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE _____